CLAIMS

What is claimed is:

1. A cooking apparatus, comprising:

at least one heating unit mounted in a body;

a food support unit mounted on the body to hold food to be cooked;

a heat reflecting unit to reflect heat generated by the at least one heating unit toward the food support unit; and

a cooling unit to cool the heat reflecting unit.

2. The cooking apparatus as set forth in claim 1, wherein, where the cooking apparatus includes at least two heating units:

the at least two heating units are disposed on opposite sides of the body between the food support unit and the heat reflecting unit; and

the heat reflecting unit includes a plurality of reflecting plates inclined at predetermined angles toward the at least two heating units, respectively, to reflect heat radiated from the at least two heating units to the food support unit.

3. The cooking apparatus as set forth in claim 2, wherein:

the heat reflecting unit comprises a container having an inner space; and

the cooling unit comprises water filling the inner space of the heat reflecting unit to prevent oil dropping from the food put on the food support unit onto the reflecting plates from burning.

4. The cooking apparatus as set forth in claim 3, wherein:

the heat reflecting unit further comprises:

a bottom plate, a front plate, a rear plate and two side plates extending from edges of the bottom plate, the front plate, the rear plate and the two side plates being connected to outer edges of the reflecting plates; and

the inner space is formed between the reflecting plates and the bottom plate.

5. The cooking apparatus as set forth in claim 4, wherein the front plate is formed to have a predetermined width, and includes a water inlet in a top of the front plate to feed water into the inner space.

6. The cooking apparatus as set forth in claim 5, wherein the heat reflecting unit includes a grip on the front plate thereof, and the body is located in a front thereof with a slot wherein the heat reflecting unit Is inserted into and removed from the body by pushing and pulling of the grip through the slot, respectively.

7. The cooking apparatus as set forth in claim 2, wherein the reflecting plates comprise: first inner and outer reflecting plates; and

second inner and outer reflecting plates,

roughly forming a W shape wherein the first inner and outer reflecting plates form a first recess therebetween and the second inner and outer reflecting plates form a second recess therebetween.

8. The cooking apparatus as set forth in claim 7, wherein the first inner reflecting plate and the second inner reflecting plate are arranged to face the at least two heating units, respectively, and are upwardly projected at inner ends thereof to be higher than lower ends of the at least two heating units.

9. The cooking apparatus as set forth in claim 1, wherein the heat reflecting unit comprises stainless steel.

10. The cooking apparatus as set forth in claim 1, wherein the food support unit comprises:

a pair of water tanks seated on a top of the body while being spaced apart from each other and filled with water; and

a plurality of grill pipes arranged to connect the water tanks to fill the grill pipes with water.

11. The cooking apparatus as set forth in claim 1, wherein the at least one heating unit each comprises a ceramic body in which an electrothermal wire is encapsulated.

12. A cooking apparatus, comprising:

a body having a top with an opening;

at least one heating unit arranged in the body;

a food support unit mounted on a top of the body; and

a heat reflecting unit disposed below the opening in the body and having a plurality of reflecting plates inclined toward the at least one heating unit to reflect heat from the at least one heating unit to the food support unit.

13. The cooking apparatus as set forth in claim 12, wherein the heat reflecting unit is integrated with an oil collecting unit that collects oil dropping from the food support unit.

14. The cooking apparatus as set forth in claim 13, wherein the heat reflecting unit further comprises a bottom plate, a front plate, a rear plate and two side plates upwardly extending from edges of the bottom plate, the reflecting plates being disposed within the front plate, the rear plate and the two side plates and comprising first and second inner and outer reflecting plates disposed near the heating units,

roughly forming a W shape, wherein the first and the second inner and outer reflecting plates, respectively, form first and second recesses therebetween, respectively, and the bottom plate, the front plate, the rear plate, the two side plates and the reflecting plates define an inner space therebetween.

15. The cooking apparatus as set forth in claim 14, wherein the front plate is formed to have a predetermined width, and has a water inlet in a top of the front plate to feed water into the inner space.

16. The cooking apparatus as set forth in claim 12, wherein the heat reflecting unit comprises stainless steel.

17. A cooking apparatus, comprising:

a body having a top with an opening;

at least one heating unit arranged in the body;

a food support unit mounted on the top of the body; and

a reflecting plate disposed below the opening of the body and having a protrusion that is upwardly projected to be higher than lower ends of the at least one heating unit.

18. A cooking apparatus, comprising:

a body having a top with an opening;

at least one heating unit disposed in the body;

a food support unit mounted on the top of the body;

outer reflecting plates radially and downwardly inclined from lower ends of the at least one heating unit; and

inner reflecting plates radially and upwardly inclined from lower ends of the outer reflecting plates and projected at inner ends thereof to be higher than lower ends of the at least one heating unit;

wherein each of the inner reflecting plates has a length longer than that of each of the outer reflecting plates.

19. A cooking apparatus, comprising:

a body having a top with an opening;

at least one heating unit disposed in the body;

a food support unit mounted on the top of the body;

outer reflecting plates radially and downwardly inclined from lower ends of the at least one heating unit; and

inner reflecting plates radially and upwardly inclined from lower ends of the outer reflecting plates and projected at inner ends thereof to be higher than lower ends of the at least one heating unit;

wherein each of the inner reflecting plates has an interval between upper and lower ends thereof longer than an interval between upper and lower ends of each of the outer reflecting plates.

20. A cooking apparatus having a body, comprising:

a food support unit seated on an upper portion of the body, to support food to be cooked;

at least one heating unit positioned to heat the food on the food support unit;

a heat reflecting unit positioned positioned to heat the food on the heating unit to reflect heat transmitted from the heating unit toward the food support unit, said heat reflecting unit containing liquid therein to prevent droppings, from food laid on the food support unit, from being burned.

21. The cooking apparatus as set forth in claim 20, wherein the at least one heating unit is located on at least one side of the body and is positioned between the food support unit and the heat reflecting unit, and said heat reflecting unit includes at least one reflecting plate, each said reflecting plate arranged to form a predetermined angle with the at least one heating unit, respectively, so that heat radiated from the heating unit is reflected to the food support unit.

22. The cooking apparatus as set forth in claim 21, wherein said heat reflecting unit comprises front and rear walls and sidewalls extending upward to a predetermined height, with recesses defined by lower portions of the at least one reflecting plate and said walls of the heat reflecting unit to collect droppings from the food therein.

23. The cooking apparatus as set forth in claim 22, wherein said heat reflecting unit comprises a bottom plate which is defined by connecting lower ends of said walls of the heat reflecting unit to each other, with an interior space defined between the reflecting plates and the bottom plate.

24. The cooking apparatus as set forth in claim 23, wherein said front wall of the heat reflecting unit has a predetermined width, and a water refilling port formed on an upper surface of the front wall to supply water to the interior space of the heat reflecting unit, thus keeping a temperature of the heat reflecting unit below a boiling temperature of water.

25. The cooking apparatus as set forth in claim 24, further comprising a grip on a front surface of the front wall of the heat reflecting unit, and a reception hole on a front surface of the body to receive the heat reflecting unit therein, thus allowing the heat reflecting unit to be inserted into, or removed from, the body by pushing or pulling the grip.

26. The cooking apparatus as set forth in claim 20, wherein said food support unit comprises:

first and second tanks seated on the upper portion of the body spaced apart from each other, and containing a liquid therein; and

a plurality of grilling pipes arranged between the first and second tanks to connect the first and second tanks to each other,

wherein the liquid is supplied to the plurality of grilling pipes, thus keeping a temperature of the grilling pipes below a boiling temperature of the liquid.

27. The cooking apparatus as set forth in claim 26, wherein the liquid utilized in the first and second tanks is water.

28. The cooking apparatus as set forth in claim 20, wherein said at least one heating unit comprises a ceramic member in which an electrothermal wire is encapsulated.

29. The cooking apparatus as set forth in claim 14, wherein a first length of each of the first and second inner reflecting plates is formed longer than a second length of each of the first and second outer reflecting plates.

30. The cooking apparatus as set forth in claim 29, wherein a first interval between upper and lower ends of each of the first and second inner reflecting plates is formed longer than a second interval between upper and lower ends of each of the first and second outer reflecting plates.